

# Whately

Expected and Observed Case Counts, with Standardized Incidence Ratios, 1994 - 1998

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<b><u>Bladder, Urinary</u></b>				<b><u>Melanoma of Skin</u></b>			
Male	1.10	0	NC*	Male	0.63	1	NC*
Female	0.35	0	NC*	Female	0.43	1	NC*
Total	1.45	0	NC*	Total	1.06	2	NC*
<b><u>Brain and Other Central Nervous System</u></b>				<b><u>Multiple Myeloma</u></b>			
Male	0.31	0	NC*	Male	0.20	0	NC*
Female	0.23	0	NC*	Female	0.16	0	NC*
Total	0.55	0	NC*	Total	0.36	0	NC*
<b><u>Breast</u></b>				<b><u>Non-Hodgkin's Lymphoma</u></b>			
Male	0.07	0	NC*	Male	0.80	1	NC*
Female	5.72	5	87	Female	0.65	0	NC*
Total	5.79	5	86	Total	1.45	1	NC*
<b><u>Cervix Uteri</u></b>				<b><u>Oral Cavity and Pharynx</u></b>			
Female	0.33	0	NC*	Male	0.66	0	NC*
				Female	0.28	0	NC*
				Total	0.94	0	NC*
<b><u>Colon / Rectum</u></b>				<b><u>Ovary</u></b>			
Male	2.73	3	NC*	Female	0.67	3	NC*
Female	2.21	1	NC*				
Total	4.94	4	NC*				
<b><u>Esophagus</u></b>				<b><u>Pancreas</u></b>			
Male	0.38	0	NC*	Male	0.42	0	NC*
Female	0.11	0	NC*	Female	0.38	0	NC*
Total	0.50	0	NC*	Total	0.80	0	NC*
<b><u>Hodgkin's Disease</u></b>				<b><u>Prostate</u></b>			
Male	0.13	0	NC*	Male	6.45	6	93
Female	0.10	0	NC*				
Total	0.23	0	NC*				
<b><u>Kidney and Renal Pelvis</u></b>				<b><u>Stomach</u></b>			
Male	0.60	0	NC*	Male	0.46	0	NC*
Female	0.34	0	NC*	Female	0.23	0	NC*
Total	0.94	0	NC*	Total	0.69	0	NC*
<b><u>Larynx</u></b>				<b><u>Testis</u></b>			
Male	0.35	0	NC*	Male	0.17	1	NC*
Female	0.09	0	NC*				
Total	0.43	0	NC*				
<b><u>Leukemia</u></b>				<b><u>Thyroid</u></b>			
Male	0.44	0	NC*	Male	0.11	0	NC*
Female	0.30	0	NC*	Female	0.29	0	NC*
Total	0.74	0	NC*	Total	0.40	0	NC*
<b><u>Liver and Intrahepatic Bile Ducts</u></b>				<b><u>Uteri, Corpus and Uterus, NOS</u></b>			
Male	0.22	1	NC*	Female	1.11	0	NC*
Female	0.08	0	NC*				
Total	0.30	1	NC*				
<b><u>Lung and Bronchus</u></b>				<b><u>All Sites / Types</u></b>			
Male	3.42	2	NC*	Male	21.06	16	76
Female	2.36	0	NC*	Female	17.68	11	62
Total	5.78	2	NC*	Total	38.75	27	70

**Exp** = expected case count, based on the Massachusetts average age-specific incidence rates for this cancer

**Obs** = observed case count

**SIR** = standardized incidence ratio [ **Obs** / **Exp** ) X 100 ]

\* = **SIR** and statistical significance not calculated when **Obs** < 5

+ indicates number of observed cases is statistically significantly higher than the expected number of cases

- indicates number of observed cases is statistically significantly lower than the expected number of cases

# indicates statistical significance at the  $p \leq 0.05$  level

~ indicates statistical significance at the  $p \leq 0.01$  level, as well as at the  $p \leq 0.05$  level

^ indicates statistical significance at the  $p \leq 0.001$  level, as well as at the  $p \leq 0.01$  and  $p \leq 0.05$  levels

## Whitman

Expected and Observed Case Counts, with Standardized Incidence Ratios, 1994 - 1998

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<b><u>Bladder, Urinary</u></b>				<b><u>Melanoma of Skin</u></b>			
Male	6.45	10	155	Male	4.30	3	NC*
Female	2.76	1	NC*	Female	3.56	3	NC*
Total	9.21	11	119	Total	7.86	6	76
<b><u>Brain and Other Central Nervous System</u></b>				<b><u>Multiple Myeloma</u></b>			
Male	2.33	3	NC*	Male	1.23	3	NC*
Female	1.90	2	NC*	Female	1.21	0	NC*
Total	4.23	5	118	Total	2.44	3	NC*
<b><u>Breast</u></b>				<b><u>Non-Hodgkin's Lymphoma</u></b>			
Male	0.42	1	NC*	Male	5.45	4	NC*
Female	44.21	47	106	Female	5.12	2	NC*
Total	44.63	48	108	Total	10.57	6	57
<b><u>Cervix Uteri</u></b>				<b><u>Oral Cavity and Pharynx</u></b>			
Female	2.79	1	NC*	Male	4.43	2	NC*
				Female	2.17	2	NC*
				Total	6.60	4	NC*
<b><u>Colon / Rectum</u></b>				<b><u>Ovary</u></b>			
Male	16.25	25	154	Female	5.24	6	115
Female	17.36	15	86				
Total	33.61	40	119				
<b><u>Esophagus</u></b>				<b><u>Pancreas</u></b>			
Male	2.42	2	NC*	Male	2.60	3	NC*
Female	0.89	3	NC*	Female	2.99	6	201
Total	3.31	5	151	Total	5.59	9	161
<b><u>Hodgkin's Disease</u></b>				<b><u>Prostate</u></b>			
Male	1.18	1	NC*	Male	39.54	32	81
Female	0.98	0	NC*				
Total	2.16	1	NC*				
<b><u>Kidney and Renal Pelvis</u></b>				<b><u>Stomach</u></b>			
Male	3.93	4	NC*	Male	2.76	1	NC*
Female	2.57	2	NC*	Female	1.89	1	NC*
Total	6.49	6	92	Total	4.65	2	NC*
<b><u>Larynx</u></b>				<b><u>Testis</u></b>			
Male	2.26	0	NC*	Male	1.82	0	NC*
Female	0.63	1	NC*				

Total	2.88	1	NC*
<b><u>Leukemia</u></b>			
Male	3.01	3	NC*
Female	2.54	2	NC*
Total	5.55	5	90
<b><u>Liver and Intrahepatic Bile Ducts</u></b>			
Male	1.44	0	NC*
Female	0.64	0	NC*
Total	2.08	0	NC*
<b><u>Lung and Bronchus</u></b>			
Male	20.94	16	76
Female	17.48	23	132
Total	38.42	39	102

<b><u>Thyroid</u></b>			
Male	0.92	2	NC*
Female	2.55	3	NC*
Total	3.47	5	144
<b><u>Uteri, Corpus and Uterus, NOS</u></b>			
Female	8.37	6	72
<b><u>All Sites / Types</u></b>			
Male	132.88	126	95
Female	138.03	133	96
Total	270.91	259	96

**Exp** = expected case count, based on the Massachusetts average age-specific incidence rates for this cancer

**Obs** = observed case count

**SIR** = standardized incidence ratio [ **Obs** / **Exp** ) X 100 ]

\* = **SIR** and statistical significance not calculated when **Obs** < 5

+ indicates number of observed cases is statistically significantly higher than the expected number of cases

- indicates number of observed cases is statistically significantly lower than the expected number of cases

# indicates statistical significance at the  $p \leq 0.05$  level

~ indicates statistical significance at the  $p \leq 0.01$  level, as well as at the  $p \leq 0.05$  level

^ indicates statistical significance at the  $p \leq 0.001$  level, as well as at the  $p \leq 0.01$  and  $p \leq 0.05$  levels

## Wilbraham

Expected and Observed Case Counts, with Standardized Incidence Ratios, 1994 - 1998

	<b><u>Exp</u></b>	<b><u>Obs</u></b>	<b><u>SIR</u></b>		<b><u>Exp</u></b>	<b><u>Obs</u></b>	<b><u>SIR</u></b>
<b><u>Bladder, Urinary</u></b>				<b><u>Melanoma of Skin</u></b>			
Male	10.50	5	48	Male	6.36	6	94
Female	3.61	2	NC*	Female	4.47	5	112
Total	14.11	7	50	Total	10.84	11	101
<b><u>Brain and Other Central Nervous System</u></b>				<b><u>Multiple Myeloma</u></b>			
Male	3.23	10	310 ~+	Male	2.00	2	NC*
Female	2.40	3	NC*	Female	1.66	2	NC*
Total	5.62	13	231 #+	Total	3.66	4	NC*
<b><u>Breast</u></b>				<b><u>Non-Hodgkin's Lymphoma</u></b>			
Male	0.67	0	NC*	Male	7.93	7	88
Female	60.33	66	109	Female	6.67	4	NC*
Total	61.00	66	108	Total	14.60	11	75
<b><u>Cervix Uteri</u></b>				<b><u>Oral Cavity and Pharynx</u></b>			
Female	3.35	1	NC*	Male	6.81	5	73
<b><u>Colon / Rectum</u></b>				Female	2.94	1	NC*
Male	26.49	16	60 #-	Total	9.75	6	62
Female	22.51	17	76	<b><u>Ovary</u></b>			
Total	49.00	33	67 #-	Female	7.00	6	86
<b><u>Esophagus</u></b>				<b><u>Pancreas</u></b>			
Male	3.91	2	NC*	Male	4.18	3	NC*

Female	1.16	0	NC*
Total	5.07	2	NC*
<b><u>Hodgkin's Disease</u></b>			
Male	1.29	1	NC*
Female	1.01	1	NC*
Total	2.30	2	NC*

<b><u>Kidney and Renal Pelvis</u></b>			
Male	6.15	2	NC*
Female	3.52	3	NC*
Total	9.68	5	52

<b><u>Larynx</u></b>			
Male	3.61	3	NC*
Female	0.92	0	NC*
Total	4.54	3	NC*

<b><u>Leukemia</u></b>			
Male	4.34	3	NC*
Female	3.12	3	NC*
Total	7.46	6	80

<b><u>Liver and Intrahepatic Bile Ducts</u></b>			
Male	2.27	1	NC*
Female	0.84	0	NC*
Total	3.11	1	NC*

<b><u>Lung and Bronchus</u></b>			
Male	34.40	26	76
Female	24.81	20	81
Total	59.22	46	78

Female	3.96	2	NC*
Total	8.15	5	61

<b><u>Prostate</u></b>			
Male	65.92	60	91

<b><u>Stomach</u></b>			
Male	4.39	4	NC*
Female	2.39	1	NC*
Total	6.78	5	74

<b><u>Testis</u></b>			
Male	1.75	2	NC*

<b><u>Thyroid</u></b>			
Male	1.18	2	NC*
Female	2.88	5	173
Total	4.07	7	172

<b><u>Uteri, Corpus and Uterus, NOS</u></b>			
Female	11.85	12	101

<b><u>All Sites / Types</u></b>			
Male	211.15	170	81 ~-
Female	184.37	166	90
Total	395.52	336	85 ~-

**Exp** = expected case count, based on the Massachusetts average age-specific incidence rates for this cancer

**Obs** = observed case count

**SIR** = standardized incidence ratio [ **Obs** / **Exp** ) X 100 ]

\* = **SIR** and statistical significance not calculated when **Obs** < 5

+ indicates number of observed cases is statistically significantly higher than the expected number of cases

- indicates number of observed cases is statistically significantly lower than the expected number of cases

# indicates statistical significance at the  $p \leq 0.05$  level

~ indicates statistical significance at the  $p \leq 0.01$  level, as well as at the  $p \leq 0.05$  level

^ indicates statistical significance at the  $p \leq 0.001$  level, as well as at the  $p \leq 0.01$  and  $p \leq 0.05$  levels

## Williamsburg

Expected and Observed Case Counts, with Standardized Incidence Ratios, 1994 - 1998

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<b><u>Bladder, Urinary</u></b>			
Male	1.49	1	NC*
Female	0.64	0	NC*
Total	2.13	1	NC*

<b><u>Brain and Other Central Nervous System</u></b>			
Male	0.52	0	NC*
Female	0.43	1	NC*
Total	0.95	1	NC*

**Breast**

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<b><u>Melanoma of Skin</u></b>			
Male	1.00	2	NC*
Female	0.82	1	NC*
Total	1.82	3	NC*

<b><u>Multiple Myeloma</u></b>			
Male	0.29	1	NC*
Female	0.28	0	NC*
Total	0.57	1	NC*

**Non-Hodgkin's Lymphoma**

Male	0.10	0	NC*
Female	10.33	9	87
Total	10.43	9	86

#### Cervix Uteri

Female	0.63	0	NC*
--------	------	---	-----

#### Colon / Rectum

Male	3.75	2	NC*
Female	4.00	2	NC*
Total	7.75	4	NC*

#### Esophagus

Male	0.56	3	NC*
Female	0.21	0	NC*
Total	0.77	3	NC*

#### Hodgkin's Disease

Male	0.26	0	NC*
Female	0.21	1	NC*
Total	0.47	1	NC*

#### Kidney and Renal Pelvis

Male	0.92	0	NC*
Female	0.59	0	NC*
Total	1.52	0	NC*

#### Larynx

Male	0.53	1	NC*
Female	0.15	0	NC*
Total	0.68	1	NC*

#### Leukemia

Male	0.67	0	NC*
Female	0.57	0	NC*
Total	1.24	0	NC*

#### Liver and Intrahepatic Bile Ducts

Male	0.34	0	NC*
Female	0.15	0	NC*
Total	0.48	0	NC*

#### Lung and Bronchus

Male	4.88	5	102
Female	4.06	8	197
Total	8.94	13	145

Male	1.25	4	NC*
Female	1.17	0	NC*
Total	2.42	4	NC*

#### Oral Cavity and Pharynx

Male	1.04	1	NC*
Female	0.51	0	NC*
Total	1.55	1	NC*

#### Ovary

Female	1.22	0	NC*
--------	------	---	-----

#### Pancreas

Male	0.60	0	NC*
Female	0.69	0	NC*
Total	1.29	0	NC*

#### Prostate

Male	9.17	8	87
------	------	---	----

#### Stomach

Male	0.63	0	NC*
Female	0.44	0	NC*
Total	1.07	0	NC*

#### Testis

Male	0.40	0	NC*
------	------	---	-----

#### Thyroid

Male	0.21	0	NC*
Female	0.57	1	NC*
Total	0.78	1	NC*

#### Uteri, Corpus and Uterus, NOS

Female	1.97	3	NC*
--------	------	---	-----

#### All Sites / Types

Male	30.72	29	94
Female	31.96	28	88
Total	62.69	57	91

**Exp** = expected case count, based on the Massachusetts average age-specific incidence rates for this cancer

**Obs** = observed case count

**SIR** = standardized incidence ratio [ **Obs** / **Exp** ) X 100 ]

\* = **SIR** and statistical significance not calculated when **Obs** < 5

+ indicates number of observed cases is statistically significantly higher than the expected number of cases

- indicates number of observed cases is statistically significantly lower than the expected number of cases

# indicates statistical significance at the  $p \leq 0.05$  level

~ indicates statistical significance at the  $p \leq 0.01$  level, as well as at the  $p \leq 0.05$  level

^ indicates statistical significance at the  $p \leq 0.001$  level, as well as at the  $p \leq 0.01$  and  $p \leq 0.05$  levels

# Williamstown

Expected and Observed Case Counts, with Standardized Incidence Ratios, 1994 - 1998

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<b><u>Bladder, Urinary</u></b>				<b><u>Melanoma of Skin</u></b>			
Male	6.29	8	127	Male	3.67	3	NC*
Female	2.70	2	NC*	Female	2.94	4	NC*
Total	8.99	10	111	Total	6.61	7	106
<b><u>Brain and Other Central Nervous System</u></b>				<b><u>Multiple Myeloma</u></b>			
Male	1.86	1	NC*	Male	1.15	1	NC*
Female	1.53	3	NC*	Female	1.12	0	NC*
Total	3.40	4	NC*	Total	2.27	1	NC*
<b><u>Breast</u></b>				<b><u>Non-Hodgkin's Lymphoma</u></b>			
Male	0.39	0	NC*	Male	4.70	2	NC*
Female	37.83	41	108	Female	4.60	3	NC*
Total	38.22	41	107	Total	9.30	5	54
<b><u>Cervix Uteri</u></b>				<b><u>Oral Cavity and Pharynx</u></b>			
Female	2.12	1	NC*	Male	3.71	2	NC*
				Female	1.94	2	NC*
				Total	5.65	4	NC*
<b><u>Colon / Rectum</u></b>				<b><u>Ovary</u></b>			
Male	15.61	15	96	Female	4.39	3	NC*
Female	16.95	16	94				
Total	32.57	31	95				
<b><u>Esophagus</u></b>				<b><u>Pancreas</u></b>			
Male	2.16	0	NC*	Male	2.41	2	NC*
Female	0.88	2	NC*	Female	2.92	0	NC*
Total	3.04	2	NC*	Total	5.33	2	NC*
<b><u>Hodgkin's Disease</u></b>				<b><u>Prostate</u></b>			
Male	0.85	1	NC*	Male	36.01	40	111
Female	0.70	1	NC*				
Total	1.55	2	NC*				
<b><u>Kidney and Renal Pelvis</u></b>				<b><u>Stomach</u></b>			
Male	3.41	6	176	Male	2.64	1	NC*
Female	2.28	1	NC*	Female	1.86	0	NC*
Total	5.69	7	123	Total	4.49	1	NC*
<b><u>Larynx</u></b>				<b><u>Testis</u></b>			
Male	1.94	1	NC*	Male	1.23	1	NC*
Female	0.54	0	NC*				
Total	2.48	1	NC*				
<b><u>Leukemia</u></b>				<b><u>Thyroid</u></b>			
Male	2.61	6	230	Male	0.69	0	NC*
Female	2.21	2	NC*	Female	1.86	0	NC*
Total	4.82	8	166	Total	2.55	0	NC*
<b><u>Liver and Intrahepatic Bile Ducts</u></b>				<b><u>Uteri, Corpus and Uterus, NOS</u></b>			
Male	1.26	0	NC*	Female	7.22	10	139
Female	0.60	3	NC*				
Total	1.86	3	NC*				
<b><u>Lung and Bronchus</u></b>				<b><u>All Sites / Types</u></b>			
Male	19.19	18	94	Male	120.12	113	94
Female	15.59	12	77	Female	122.28	111	91
Total	34.78	30	86	Total	242.40	224	92

**Exp** = expected case count, based on the Massachusetts average age-specific incidence rates for this cancer

**Obs** = observed case count

**SIR** = standardized incidence ratio [ **Obs / Exp** ) X 100 ]

\* = **SIR** and statistical significance not calculated when **Obs** < 5

+ indicates number of observed cases is statistically significantly higher than the expected number of cases

- indicates number of observed cases is statistically significantly lower than the expected number of cases

# indicates statistical significance at the  $p \leq 0.05$  level

~ indicates statistical significance at the  $p \leq 0.01$  level, as well as at the  $p \leq 0.05$  level

^ indicates statistical significance at the  $p \leq 0.001$  level, as well as at the  $p \leq 0.01$  and  $p \leq 0.05$  levels

## Wilmington

Expected and Observed Case Counts, with Standardized Incidence Ratios, 1994 - 1998

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<b><u>Bladder, Urinary</u></b>				<b><u>Melanoma of Skin</u></b>			
Male	10.01	9	90	Male	7.08	10	141
Female	3.37	2	NC*	Female	5.17	7	135
Total	13.38	11	82	Total	12.25	17	139
<b><u>Brain and Other Central Nervous System</u></b>				<b><u>Multiple Myeloma</u></b>			
Male	3.88	1	NC*	Male	1.96	3	NC*
Female	2.79	2	NC*	Female	1.64	2	NC*
Total	6.67	3	NC*	Total	3.60	5	139
<b><u>Breast</u></b>				<b><u>Non-Hodgkin's Lymphoma</u></b>			
Male	0.67	0	NC*	Male	8.84	8	90
Female	65.20	73	112	Female	6.89	8	116
Total	65.87	73	111	Total	15.73	16	102
<b><u>Cervix Uteri</u></b>				<b><u>Oral Cavity and Pharynx</u></b>			
Female	4.26	4	NC*	Male	7.47	5	67
<b><u>Colon / Rectum</u></b>				Female	3.05	2	NC*
Male	25.55	28	110	Total	10.51	7	67
Female	20.95	26	124	<b><u>Ovary</u></b>			
Total	46.49	54	116	Female	7.79	5	64
<b><u>Esophagus</u></b>				<b><u>Pancreas</u></b>			
Male	3.99	2	NC*	Male	4.17	3	NC*
Female	1.06	0	NC*	Female	3.71	4	NC*
Total	5.06	2	NC*	Total	7.88	7	89
<b><u>Hodgkin's Disease</u></b>				<b><u>Prostate</u></b>			
Male	1.96	1	NC*	Male	65.09	85	131 #+
Female	1.43	0	NC*	<b><u>Stomach</u></b>			
Total	3.39	1	NC*	Male	4.31	3	NC*
<b><u>Kidney and Renal Pelvis</u></b>				Female	2.23	4	NC*
Male	6.51	8	123	Total	6.54	7	107
Female	3.64	3	NC*	<b><u>Testis</u></b>			
Total	10.15	11	108	Male	3.04	6	197
<b><u>Larynx</u></b>							
Male	3.80	2	NC*				
Female	0.97	1	NC*				

Total	4.77	3	NC*
<b><u>Leukemia</u></b>			
Male	4.81	9	187
Female	3.41	4	NC*
Total	8.23	13	158
<b><u>Liver and Intrahepatic Bile Ducts</u></b>			
Male	2.39	3	NC*
Female	0.82	1	NC*
Total	3.21	4	NC*
<b><u>Lung and Bronchus</u></b>			
Male	34.13	31	91
Female	25.07	38	152 #+
Total	59.20	69	117

<b><u>Thyroid</u></b>			
Male	1.57	2	NC*
Female	3.89	6	154
Total	5.47	8	146
<b><u>Uteri, Corpus and Uterus, NOS</u></b>			
Female	12.53	17	136
<b><u>All Sites / Types</u></b>			
Male	215.85	246	114 #+
Female	192.78	223	116 #+
Total	408.62	469	115 ~+

**Exp** = expected case count, based on the Massachusetts average age-specific incidence rates for this cancer

**Obs** = observed case count

**SIR** = standardized incidence ratio [ **Obs** / **Exp** ) X 100 ]

\* = **SIR** and statistical significance not calculated when **Obs** < 5

+ indicates number of observed cases is statistically significantly higher than the expected number of cases

- indicates number of observed cases is statistically significantly lower than the expected number of cases

# indicates statistical significance at the  $p \leq 0.05$  level

~ indicates statistical significance at the  $p \leq 0.01$  level, as well as at the  $p \leq 0.05$  level

^ indicates statistical significance at the  $p \leq 0.001$  level, as well as at the  $p \leq 0.01$  and  $p \leq 0.05$  levels

## Winchendon

Expected and Observed Case Counts, with Standardized Incidence Ratios, 1994 - 1998

	<b><u>Exp</u></b>	<b><u>Obs</u></b>	<b><u>SIR</u></b>		<b><u>Exp</u></b>	<b><u>Obs</u></b>	<b><u>SIR</u></b>
<b><u>Bladder, Urinary</u></b>				<b><u>Melanoma of Skin</u></b>			
Male	5.00	10	200	Male	3.26	1	NC*
Female	1.93	0	NC*	Female	2.55	1	NC*
Total	6.93	10	144	Total	5.81	2	NC*
<b><u>Brain and Other Central Nervous System</u></b>				<b><u>Multiple Myeloma</u></b>			
Male	1.77	0	NC*	Male	0.94	2	NC*
Female	1.38	1	NC*	Female	0.85	1	NC*
Total	3.16	1	NC*	Total	1.79	3	NC*
<b><u>Breast</u></b>				<b><u>Non-Hodgkin's Lymphoma</u></b>			
Male	0.32	0	NC*	Male	4.17	2	NC*
Female	31.06	23	74	Female	3.63	3	NC*
Total	31.39	23	73	Total	7.80	5	64
<b><u>Cervix Uteri</u></b>				<b><u>Oral Cavity and Pharynx</u></b>			
Female	2.03	5	247	Male	3.31	2	NC*
<b><u>Colon / Rectum</u></b>				Female	1.52	7	459 ~+
Male	12.53	10	80	Total	4.84	9	186
Female	12.13	11	91	<b><u>Ovary</u></b>			
Total	24.66	21	85	Female	3.71	2	NC*
<b><u>Esophagus</u></b>				<b><u>Pancreas</u></b>			
Male	1.82	2	NC*	Male	1.98	0	NC*



Female	0.62	1	NC*
Total	2.44	3	NC*
<b><u>Hodgkin's Disease</u></b>			
Male	0.91	0	NC*
Female	0.74	0	NC*
Total	1.65	0	NC*

<b><u>Kidney and Renal Pelvis</u></b>			
Male	2.97	3	NC*
Female	1.81	4	NC*
Total	4.78	7	147

<b><u>Larynx</u></b>			
Male	1.69	2	NC*
Female	0.44	1	NC*
Total	2.12	3	NC*

<b><u>Leukemia</u></b>			
Male	2.33	2	NC*
Female	1.83	2	NC*
Total	4.16	4	NC*

<b><u>Liver and Intrahepatic Bile Ducts</u></b>			
Male	1.09	2	NC*
Female	0.45	0	NC*
Total	1.54	2	NC*

<b><u>Lung and Bronchus</u></b>			
Male	15.88	17	107
Female	12.26	12	98
Total	28.14	29	103

Female	2.09	1	NC*
Total	4.07	1	NC*

<b><u>Prostate</u></b>			
Male	29.76	23	77

<b><u>Stomach</u></b>			
Male	2.13	1	NC*
Female	1.32	4	NC*
Total	3.45	5	145

<b><u>Testis</u></b>			
Male	1.40	1	NC*

<b><u>Thyroid</u></b>			
Male	0.69	0	NC*
Female	1.88	2	NC*
Total	2.58	2	NC*

<b><u>Uteri, Corpus and Uterus, NOS</u></b>			
Female	5.84	5	86

<b><u>All Sites / Types</u></b>			
Male	101.08	84	83
Female	97.26	94	97
Total	198.34	178	90

**Exp** = expected case count, based on the Massachusetts average age-specific incidence rates for this cancer

**Obs** = observed case count

**SIR** = standardized incidence ratio [ **Obs** / **Exp** ) X 100 ]

\* = **SIR** and statistical significance not calculated when **Obs** < 5

+ indicates number of observed cases is statistically significantly higher than the expected number of cases

- indicates number of observed cases is statistically significantly lower than the expected number of cases

# indicates statistical significance at the  $p \leq 0.05$  level

~ indicates statistical significance at the  $p \leq 0.01$  level, as well as at the  $p \leq 0.05$  level

^ indicates statistical significance at the  $p \leq 0.001$  level, as well as at the  $p \leq 0.01$  and  $p \leq 0.05$  levels

## Winchester

Expected and Observed Case Counts, with Standardized Incidence Ratios, 1994 - 1998

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<b><u>Bladder, Urinary</u></b>			
Male	15.18	5	33 ~-
Female	6.13	4	NC*
Total	21.31	9	42 ~-

<b><u>Brain and Other Central Nervous System</u></b>			
Male	4.70	2	NC*
Female	3.82	5	131
Total	8.53	7	82

**Breast**

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<b><u>Melanoma of Skin</u></b>			
Male	9.24	9	97
Female	7.28	9	124
Total	16.51	18	109

<b><u>Multiple Myeloma</u></b>			
Male	2.84	4	NC*
Female	2.69	3	NC*
Total	5.53	7	127

**Non-Hodgkin's Lymphoma**

Male	0.97	0	NC*
Female	95.03	84	88
Total	96.00	84	88

#### Cervix Uteri

Female	5.43	3	NC*
--------	------	---	-----

#### Colon / Rectum

Male	38.13	40	105
Female	38.40	56	146 ~+
Total	76.52	96	125 #+

#### Esophagus

Male	5.55	2	NC*
Female	1.98	3	NC*
Total	7.53	5	66

#### Hodgkin's Disease

Male	2.05	3	NC*
Female	1.73	0	NC*
Total	3.78	3	NC*

#### Kidney and Renal Pelvis

Male	8.72	8	92
Female	5.58	9	161
Total	14.31	17	119

#### Larynx

Male	5.09	6	118
Female	1.39	1	NC*
Total	6.48	7	108

#### Leukemia

Male	6.35	5	79
Female	5.18	6	116
Total	11.52	11	95

#### Liver and Intrahepatic Bile Ducts

Male	3.23	7	217
Female	1.39	2	NC*
Total	4.62	9	195

#### Lung and Bronchus

Male	48.68	32	66 #-
Female	38.78	33	85
Total	87.46	65	74 #-

Male	11.63	14	120
Female	10.96	15	137
Total	22.59	29	128

#### Oral Cavity and Pharynx

Male	9.69	8	83
Female	4.72	6	127
Total	14.41	14	97

#### Ovary

Female	11.05	9	81
--------	-------	---	----

#### Pancreas

Male	6.02	12	199 #+
Female	6.65	10	150
Total	12.66	22	174 #+

#### Prostate

Male	92.84	100	108
------	-------	-----	-----

#### Stomach

Male	6.39	6	94
Female	4.14	4	NC*
Total	10.53	10	95

#### Testis

Male	2.93	3	NC*
------	------	---	-----

#### Thyroid

Male	1.77	1	NC*
Female	4.75	3	NC*
Total	6.52	4	NC*

#### Uteri, Corpus and Uterus, NOS

Female	18.34	9	49 #-
--------	-------	---	-------

#### All Sites / Types

Male	302.13	284	94
Female	297.28	298	100
Total	599.41	582	97

**Exp** = expected case count, based on the Massachusetts average age-specific incidence rates for this cancer

**Obs** = observed case count

**SIR** = standardized incidence ratio [ **Obs** / **Exp** ) X 100 ]

\* = **SIR** and statistical significance not calculated when **Obs** < 5

+ indicates number of observed cases is statistically significantly higher than the expected number of cases

- indicates number of observed cases is statistically significantly lower than the expected number of cases

# indicates statistical significance at the  $p \leq 0.05$  level

~ indicates statistical significance at the  $p \leq 0.01$  level, as well as at the  $p \leq 0.05$  level

^ indicates statistical significance at the  $p \leq 0.001$  level, as well as at the  $p \leq 0.01$  and  $p \leq 0.05$  levels

# Windsor

Expected and Observed Case Counts, with Standardized Incidence Ratios, 1994 - 1998

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<b><u>Bladder, Urinary</u></b>				<b><u>Melanoma of Skin</u></b>			
Male	0.64	0	NC*	Male	0.39	1	NC*
Female	0.16	0	NC*	Female	0.22	0	NC*
Total	0.80	0	NC*	Total	0.61	1	NC*
<b><u>Brain and Other Central Nervous System</u></b>				<b><u>Multiple Myeloma</u></b>			
Male	0.19	0	NC*	Male	0.12	0	NC*
Female	0.12	0	NC*	Female	0.07	0	NC*
Total	0.31	0	NC*	Total	0.19	0	NC*
<b><u>Breast</u></b>				<b><u>Non-Hodgkin's Lymphoma</u></b>			
Male	0.04	0	NC*	Male	0.49	1	NC*
Female	2.88	2	NC*	Female	0.31	0	NC*
Total	2.92	2	NC*	Total	0.80	1	NC*
<b><u>Cervix Uteri</u></b>				<b><u>Oral Cavity and Pharynx</u></b>			
Female	0.18	0	NC*	Male	0.41	1	NC*
				Female	0.14	0	NC*
				Total	0.54	1	NC*
<b><u>Colon / Rectum</u></b>				<b><u>Ovary</u></b>			
Male	1.59	0	NC*	Female	0.34	1	NC*
Female	0.99	0	NC*				
Total	2.57	0	NC*				
<b><u>Esophagus</u></b>				<b><u>Pancreas</u></b>			
Male	0.23	0	NC*	Male	0.26	0	NC*
Female	0.05	0	NC*	Female	0.17	0	NC*
Total	0.28	0	NC*	Total	0.43	0	NC*
<b><u>Hodgkin's Disease</u></b>				<b><u>Prostate</u></b>			
Male	0.08	0	NC*	Male	3.71	1	NC*
Female	0.06	0	NC*				
Total	0.14	0	NC*				
<b><u>Kidney and Renal Pelvis</u></b>				<b><u>Stomach</u></b>			
Male	0.36	1	NC*	Male	0.28	0	NC*
Female	0.16	0	NC*	Female	0.11	0	NC*
Total	0.52	1	NC*	Total	0.38	0	NC*
<b><u>Larynx</u></b>				<b><u>Testis</u></b>			
Male	0.21	0	NC*	Male	0.11	0	NC*
Female	0.04	0	NC*				
Total	0.25	0	NC*				
<b><u>Leukemia</u></b>				<b><u>Thyroid</u></b>			
Male	0.27	1	NC*	Male	0.07	0	NC*
Female	0.15	1	NC*	Female	0.16	0	NC*
Total	0.42	2	NC*	Total	0.23	0	NC*
<b><u>Liver and Intrahepatic Bile Ducts</u></b>				<b><u>Uteri, Corpus and Uterus, NOS</u></b>			
Male	0.13	0	NC*	Female	0.56	0	NC*
Female	0.04	0	NC*				
Total	0.17	0	NC*				
<b><u>Lung and Bronchus</u></b>				<b><u>All Sites / Types</u></b>			
Male	1.96	0	NC*	Male	12.37	7	57
Female	1.11	1	NC*	Female	8.61	6	70
Total	3.06	1	NC*	Total	20.97	13	62

**Exp** = expected case count, based on the Massachusetts average age-specific incidence rates for this cancer

**Obs** = observed case count

**SIR** = standardized incidence ratio [ **Obs** / **Exp** ) X 100 ]

\* = **SIR** and statistical significance not calculated when **Obs** < 5

+ indicates number of observed cases is statistically significantly higher than the expected number of cases

- indicates number of observed cases is statistically significantly lower than the expected number of cases

# indicates statistical significance at the  $p \leq 0.05$  level

~ indicates statistical significance at the  $p \leq 0.01$  level, as well as at the  $p \leq 0.05$  level

^ indicates statistical significance at the  $p \leq 0.001$  level, as well as at the  $p \leq 0.01$  and  $p \leq 0.05$  levels

## Winthrop

Expected and Observed Case Counts, with Standardized Incidence Ratios, 1994 - 1998

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<b><u>Bladder, Urinary</u></b>				<b><u>Melanoma of Skin</u></b>			
Male	12.25	10	82	Male	7.29	13	178
Female	5.53	3	NC*	Female	6.25	7	112
Total	17.78	13	73	Total	13.54	20	148
<b><u>Brain and Other Central Nervous System</u></b>				<b><u>Multiple Myeloma</u></b>			
Male	3.65	1	NC*	Male	2.24	1	NC*
Female	3.20	4	NC*	Female	2.29	2	NC*
Total	6.86	5	73	Total	4.53	3	NC*
<b><u>Breast</u></b>				<b><u>Non-Hodgkin's Lymphoma</u></b>			
Male	0.76	2	NC*	Male	9.34	15	161
Female	78.49	81	103	Female	9.58	13	136
Total	79.25	83	105	Total	18.92	28	148
<b><u>Cervix Uteri</u></b>				<b><u>Oral Cavity and Pharynx</u></b>			
Female	4.66	9	193	Male	7.27	10	137
<b><u>Colon / Rectum</u></b>				Female	3.99	3	NC*
Male	30.45	28	92	Total	11.26	13	115
Female	34.78	37	106	<b><u>Ovary</u></b>			
Total	65.23	65	100	Female	9.16	6	66
<b><u>Esophagus</u></b>				<b><u>Pancreas</u></b>			
Male	4.19	3	NC*	Male	4.69	6	128
Female	1.80	1	NC*	Female	5.97	12	201 #+
Total	6.00	4	NC*	Total	10.66	18	169 #+
<b><u>Hodgkin's Disease</u></b>				<b><u>Prostate</u></b>			
Male	1.77	4	NC*	Male	69.84	67	96
Female	1.58	1	NC*	<b><u>Stomach</u></b>			
Total	3.36	5	149	Male	5.15	5	97
<b><u>Kidney and Renal Pelvis</u></b>				Female	3.81	5	131
Male	6.66	4	NC*	Total	8.95	10	112
Female	4.69	4	NC*	<b><u>Testis</u></b>			
Total	11.35	8	71	Male	2.75	4	NC*
<b><u>Larynx</u></b>							
Male	3.78	6	159				
Female	1.10	1	NC*				

Total	4.88	7	144
<b><u>Leukemia</u></b>			
Male	5.05	1	NC*
Female	4.50	6	133
Total	9.54	7	73
<b><u>Liver and Intrahepatic Bile Ducts</u></b>			
Male	2.46	4	NC*
Female	1.23	3	NC*
Total	3.69	7	190
<b><u>Lung and Bronchus</u></b>			
Male	37.36	47	126
Female	32.21	42	130
Total	69.57	89	128 #+

<b><u>Thyroid</u></b>			
Male	1.42	0	NC*
Female	4.16	3	NC*
Total	5.59	3	NC*
<b><u>Uteri, Corpus and Uterus, NOS</u></b>			
Female	14.83	17	115
<b><u>All Sites / Types</u></b>			
Male	234.74	250	107
Female	253.35	282	111
Total	488.09	532	109

**Exp** = expected case count, based on the Massachusetts average age-specific incidence rates for this cancer

**Obs** = observed case count

**SIR** = standardized incidence ratio [ **Obs / Exp** ) X 100 ]

\* = **SIR** and statistical significance not calculated when **Obs** < 5

+ indicates number of observed cases is statistically significantly higher than the expected number of cases

- indicates number of observed cases is statistically significantly lower than the expected number of cases

# indicates statistical significance at the  $p \leq 0.05$  level

~ indicates statistical significance at the  $p \leq 0.01$  level, as well as at the  $p \leq 0.05$  level

^ indicates statistical significance at the  $p \leq 0.001$  level, as well as at the  $p \leq 0.01$  and  $p \leq 0.05$  levels

## Woburn

Expected and Observed Case Counts, with Standardized Incidence Ratios, 1994 - 1998

	<b><u>Exp</u></b>	<b><u>Obs</u></b>	<b><u>SIR</u></b>
<b><u>Bladder, Urinary</u></b>			
Male	21.80	23	106
Female	8.88	10	113
Total	30.68	33	108
<b><u>Brain and Other Central Nervous System</u></b>			
Male	7.35	6	82
Female	5.96	9	151
Total	13.31	15	113
<b><u>Breast</u></b>			
Male	1.39	2	NC*
Female	141.19	133	94
Total	142.58	135	95
<b><u>Cervix Uteri</u></b>			
Female	8.83	4	NC*
<b><u>Colon / Rectum</u></b>			
Male	55.32	73	132 #+
Female	55.57	73	131 #+
Total	110.89	146	132 ~+
<b><u>Esophagus</u></b>			
Male	7.96	12	151

	<b><u>Exp</u></b>	<b><u>Obs</u></b>	<b><u>SIR</u></b>
<b><u>Melanoma of Skin</u></b>			
Male	13.91	13	93
Female	11.25	17	151
Total	25.16	30	119
<b><u>Multiple Myeloma</u></b>			
Male	4.08	3	NC*
Female	3.90	8	205
Total	7.98	11	138
<b><u>Non-Hodgkin's Lymphoma</u></b>			
Male	17.74	16	90
Female	16.49	20	121
Total	34.23	36	105
<b><u>Oral Cavity and Pharynx</u></b>			
Male	14.07	8	57
Female	6.94	6	86
Total	21.00	14	67
<b><u>Ovary</u></b>			
Female	16.69	15	90
<b><u>Pancreas</u></b>			
Male	8.66	9	104

Female	2.87	0	NC*
Total	10.83	12	111

#### Hodgkin's Disease

Male	3.77	4	NC*
Female	3.04	4	NC*
Total	6.80	8	118

#### Kidney and Renal Pelvis

Male	12.73	13	102
Female	8.35	8	96
Total	21.07	21	100

#### Larynx

Male	7.34	7	95
Female	2.06	1	NC*
Total	9.40	8	85

#### Leukemia

Male	9.55	14	147
Female	7.75	7	90
Total	17.30	21	121

#### Liver and Intrahepatic Bile Ducts

Male	4.72	4	NC*
Female	2.06	2	NC*
Total	6.78	6	88

#### Lung and Bronchus

Male	70.95	82	116
Female	57.87	70	121
Total	128.81	152	118

Female	9.73	19	195 #+
Total	18.39	28	152 #+

#### Prostate

Male	134.99	154	114
------	--------	-----	-----

#### Stomach

Male	9.18	6	65
Female	5.98	9	150
Total	15.16	15	99

#### Testis

Male	6.02	6	100
------	------	---	-----

#### Thyroid

Male	2.94	3	NC*
Female	8.00	8	100
Total	10.95	11	101

#### Uteri, Corpus and Uterus, NOS

Female	26.91	21	78
--------	-------	----	----

#### All Sites / Types

Male	444.75	487	109
Female	442.35	485	110 #+
Total	887.10	972	110 ~+

**Exp** = expected case count, based on the Massachusetts average age-specific incidence rates for this cancer

**Obs** = observed case count

**SIR** = standardized incidence ratio [ **Obs** / **Exp** ) X 100 ]

\* = **SIR** and statistical significance not calculated when **Obs** < 5

+ indicates number of observed cases is statistically significantly higher than the expected number of cases

- indicates number of observed cases is statistically significantly lower than the expected number of cases

# indicates statistical significance at the  $p \leq 0.05$  level

~ indicates statistical significance at the  $p \leq 0.01$  level, as well as at the  $p \leq 0.05$  level

^ indicates statistical significance at the  $p \leq 0.001$  level, as well as at the  $p \leq 0.01$  and  $p \leq 0.05$  levels

## Worcester

Expected and Observed Case Counts, with Standardized Incidence Ratios, 1994 - 1998

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>			
Male	107.08	75	70 ~-
Female	47.38	49	103
Total	154.46	124	80 #-

#### Brain and Other Central Nervous System

Male	32.86	23	70
Female	28.55	26	91
Total	61.41	49	80

#### Breast

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Melanoma of Skin</u>			
Male	63.14	54	86
Female	53.03	35	66 #-
Total	116.16	89	77 #-

#### Multiple Myeloma

Male	19.46	17	87
Female	19.77	20	101
Total	39.23	37	94

#### Non-Hodgkin's Lymphoma

Male	6.59	2	NC*
Female	665.04	585	88 ~-
Total	671.63	587	87 ^-

#### Cervix Uteri

Female	39.24	47	120
--------	-------	----	-----

#### Colon / Rectum

Male	266.46	220	83 ~-
Female	299.19	262	88 #-
Total	565.66	482	85 ^-

#### Esophagus

Male	35.95	33	92
Female	15.48	10	65
Total	51.44	43	84

#### Hodgkin's Disease

Male	16.52	17	103
Female	14.04	15	107
Total	30.56	32	105

#### Kidney and Renal Pelvis

Male	57.51	59	103
Female	40.64	30	74
Total	98.15	89	91

#### Larynx

Male	32.20	33	102
Female	9.42	10	106
Total	41.63	43	103

#### Leukemia

Male	45.69	40	88
Female	39.88	42	105
Total	85.56	82	96

#### Liver and Intrahepatic Bile Ducts

Male	21.29	28	132
Female	10.65	4	NC*
Total	31.94	32	100

#### Lung and Bronchus

Male	325.05	333	102
Female	279.86	303	108
Total	604.92	636	105

Male	82.04	96	117
Female	83.00	85	102
Total	165.04	181	110

#### Oral Cavity and Pharynx

Male	61.86	63	102
Female	34.02	30	88
Total	95.88	93	97

#### Ovary

Female	77.93	70	90
--------	-------	----	----

#### Pancreas

Male	40.58	34	84
Female	51.25	43	84
Total	91.83	77	84

#### Prostate

Male	606.29	527	87 ~-
------	--------	-----	-------

#### Stomach

Male	44.74	52	116
Female	32.49	24	74
Total	77.23	76	98

#### Testis

Male	25.57	24	94
------	-------	----	----

#### Thyroid

Male	12.45	10	80
Female	35.45	45	127
Total	47.91	55	115

#### Uteri, Corpus and Uterus, NOS

Female	126.08	134	106
--------	--------	-----	-----

#### All Sites / Types

Male	2048.44	1877	92 ^-
Female	2170.53	2016	93 ^-
Total	4218.97	3893	92 ^-

**Exp** = expected case count, based on the Massachusetts average age-specific incidence rates for this cancer

**Obs** = observed case count

**SIR** = standardized incidence ratio [ **Obs** / **Exp** ) X 100 ]

\* = **SIR** and statistical significance not calculated when **Obs** < 5

+ indicates number of observed cases is statistically significantly higher than the expected number of cases

- indicates number of observed cases is statistically significantly lower than the expected number of cases

# indicates statistical significance at the  $p \leq 0.05$  level

~ indicates statistical significance at the  $p \leq 0.01$  level, as well as at the  $p \leq 0.05$  level

^ indicates statistical significance at the  $p \leq 0.001$  level, as well as at the  $p \leq 0.01$  and  $p \leq 0.05$  levels

# Worthington

Expected and Observed Case Counts, with Standardized Incidence Ratios, 1994 - 1998

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<b><u>Bladder, Urinary</u></b>				<b><u>Melanoma of Skin</u></b>			
Male	0.90	0	NC*	Male	0.57	1	NC*
Female	0.26	0	NC*	Female	0.38	0	NC*
Total	1.15	0	NC*	Total	0.94	1	NC*
<b><u>Brain and Other Central Nervous System</u></b>				<b><u>Multiple Myeloma</u></b>			
Male	0.29	0	NC*	Male	0.17	0	NC*
Female	0.20	0	NC*	Female	0.12	0	NC*
Total	0.49	0	NC*	Total	0.29	0	NC*
<b><u>Breast</u></b>				<b><u>Non-Hodgkin's Lymphoma</u></b>			
Male	0.06	0	NC*	Male	0.71	2	NC*
Female	4.80	6	125	Female	0.50	0	NC*
Total	4.86	6	123	Total	1.21	2	NC*
<b><u>Cervix Uteri</u></b>				<b><u>Oral Cavity and Pharynx</u></b>			
Female	0.30	0	NC*	Male	0.61	0	NC*
				Female	0.23	0	NC*
				Total	0.84	0	NC*
<b><u>Colon / Rectum</u></b>				<b><u>Ovary</u></b>			
Male	2.26	0	NC*	Female	0.57	0	NC*
Female	1.58	1	NC*				
Total	3.84	1	NC*				
<b><u>Esophagus</u></b>				<b><u>Pancreas</u></b>			
Male	0.34	1	NC*	Male	0.36	0	NC*
Female	0.08	0	NC*	Female	0.28	0	NC*
Total	0.42	1	NC*	Total	0.64	0	NC*
<b><u>Hodgkin's Disease</u></b>				<b><u>Prostate</u></b>			
Male	0.12	2	NC*	Male	5.61	5	89
Female	0.10	0	NC*				
Total	0.22	2	NC*				
<b><u>Kidney and Renal Pelvis</u></b>				<b><u>Stomach</u></b>			
Male	0.54	0	NC*	Male	0.38	0	NC*
Female	0.27	0	NC*	Female	0.17	0	NC*
Total	0.81	0	NC*	Total	0.55	0	NC*
<b><u>Larynx</u></b>				<b><u>Testis</u></b>			
Male	0.32	0	NC*	Male	0.17	1	NC*
Female	0.07	0	NC*				
Total	0.39	0	NC*				
<b><u>Leukemia</u></b>				<b><u>Thyroid</u></b>			
Male	0.39	0	NC*	Male	0.11	1	NC*
Female	0.25	1	NC*	Female	0.27	0	NC*
Total	0.64	1	NC*	Total	0.38	1	NC*
<b><u>Liver and Intrahepatic Bile Ducts</u></b>				<b><u>Uteri, Corpus and Uterus, NOS</u></b>			
Male	0.20	0	NC*	Female	0.92	0	NC*
Female	0.06	0	NC*				
Total	0.26	0	NC*				
<b><u>Lung and Bronchus</u></b>				<b><u>All Sites / Types</u></b>			
Male	2.94	2	NC*	Male	18.25	15	82
Female	1.82	0	NC*	Female	14.20	8	56
Total	4.77	2	NC*	Total	32.45	23	71



**Exp** = expected case count, based on the Massachusetts average age-specific incidence rates for this cancer

**Obs** = observed case count

**SIR** = standardized incidence ratio [ **Obs / Exp** ) X 100 ]

\* = **SIR** and statistical significance not calculated when **Obs** < 5

+ indicates number of observed cases is statistically significantly higher than the expected number of cases

- indicates number of observed cases is statistically significantly lower than the expected number of cases

# indicates statistical significance at the  $p \leq 0.05$  level

~ indicates statistical significance at the  $p \leq 0.01$  level, as well as at the  $p \leq 0.05$  level

^ indicates statistical significance at the  $p \leq 0.001$  level, as well as at the  $p \leq 0.01$  and  $p \leq 0.05$  levels

## Wrentham

Expected and Observed Case Counts, with Standardized Incidence Ratios, 1994 - 1998

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>				<u>Melanoma of Skin</u>			
Male	5.18	7	135	Male	3.70	5	135
Female	2.02	2	NC*	Female	2.84	5	176
Total	7.20	9	125	Total	6.55	10	153
<u>Brain and Other Central Nervous System</u>				<u>Multiple Myeloma</u>			
Male	1.99	1	NC*	Male	1.02	1	NC*
Female	1.49	0	NC*	Female	0.92	1	NC*
Total	3.48	1	NC*	Total	1.94	2	NC*
<u>Breast</u>				<u>Non-Hodgkin's Lymphoma</u>			
Male	0.35	0	NC*	Male	4.59	4	NC*
Female	35.66	30	84	Female	3.86	1	NC*
Total	36.01	30	83	Total	8.45	5	59
<u>Cervix Uteri</u>				<u>Oral Cavity and Pharynx</u>			
Female	2.28	1	NC*	Male	3.94	5	127
<u>Colon / Rectum</u>				Female	1.71	4	NC*
Male	13.06	16	123	Total	5.65	9	159
Female	12.56	20	159	<u>Ovary</u>			
Total	25.61	36	141	Female	4.23	7	166
<u>Esophagus</u>				<u>Pancreas</u>			
Male	2.07	0	NC*	Male	2.16	1	NC*
Female	0.64	1	NC*	Female	2.19	1	NC*
Total	2.72	1	NC*	Total	4.36	2	NC*
<u>Hodgkin's Disease</u>				<u>Prostate</u>			
Male	0.99	1	NC*	Male	32.59	25	77
Female	0.76	1	NC*	<u>Stomach</u>			
Total	1.74	2	NC*	Male	2.26	1	NC*
<u>Kidney and Renal Pelvis</u>				Female	1.37	0	NC*
Male	3.38	1	NC*	Total	3.63	1	NC*
Female	1.99	3	NC*	<u>Testis</u>			
Total	5.37	4	NC*	Male	1.50	3	NC*
<u>Larynx</u>							
Male	1.98	2	NC*				
Female	0.51	0	NC*				

Total	2.49	2	NC*
-------	------	---	-----

#### Leukemia

Male	2.49	4	NC*
Female	1.94	3	NC*
Total	4.43	7	158

#### Liver and Intrahepatic Bile Ducts

Male	1.23	0	NC*
Female	0.47	1	NC*
Total	1.71	1	NC*

#### Lung and Bronchus

Male	17.25	15	87
Female	13.45	16	119
Total	30.70	31	101

#### Thyroid

Male	0.81	1	NC*
Female	2.06	1	NC*
Total	2.88	2	NC*

#### Uteri, Corpus and Uterus, NOS

Female	6.78	12	177
--------	------	----	-----

#### All Sites / Types

Male	110.09	100	91
Female	107.34	116	108
Total	217.43	216	99

**Exp** = expected case count, based on the Massachusetts average age-specific incidence rates for this cancer

**Obs** = observed case count

**SIR** = standardized incidence ratio [ **Obs** / **Exp** ) X 100 ]

\* = **SIR** and statistical significance not calculated when **Obs** < 5

+ indicates number of observed cases is statistically significantly higher than the expected number of cases

- indicates number of observed cases is statistically significantly lower than the expected number of cases

# indicates statistical significance at the  $p \leq 0.05$  level

~ indicates statistical significance at the  $p \leq 0.01$  level, as well as at the  $p \leq 0.05$  level

^ indicates statistical significance at the  $p \leq 0.001$  level, as well as at the  $p \leq 0.01$  and  $p \leq 0.05$  levels

## Yarmouth

Expected and Observed Case Counts, with Standardized Incidence Ratios, 1994 - 1998

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>			
Male	30.23	33	109
Female	11.90	18	151
Total	42.14	51	121

#### Brain and Other Central Nervous System

Male	6.39	8	125
Female	5.60	10	179
Total	11.99	18	150

#### Breast

Male	1.75	3	NC*
Female	142.69	178	125 ~+
Total	144.44	181	125 ~+

#### Cervix Uteri

Female	6.58	6	91
--------	------	---	----

#### Colon / Rectum

Male	73.71	68	92
Female	75.31	64	85
Total	149.02	132	89

#### Esophagus

Male	9.04	5	55
------	------	---	----

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Melanoma of Skin</u>			
Male	14.27	21	147
Female	10.45	18	172 #+
Total	24.72	39	158 ~+

#### Multiple Myeloma

Male	5.25	9	171
Female	4.76	4	NC*
Total	10.01	13	130

#### Non-Hodgkin's Lymphoma

Male	18.74	26	139
Female	19.05	15	79
Total	37.79	41	108

#### Oral Cavity and Pharynx

Male	13.83	7	51
Female	7.72	5	65
Total	21.55	12	56 #-

#### Ovary

Female	16.10	20	124
--------	-------	----	-----

#### Pancreas

Male	10.73	16	149
------	-------	----	-----

Female	3.94	0	NC*
Total	12.98	5	39 #-

#### Hodgkin's Disease

Male	2.19	3	NC*
Female	2.08	0	NC*
Total	4.27	3	NC*

#### Kidney and Renal Pelvis

Male	13.72	17	124
Female	9.30	9	97
Total	23.02	26	113

#### Larynx

Male	7.62	12	157
Female	2.11	2	NC*
Total	9.73	14	144

#### Leukemia

Male	10.55	16	152
Female	8.49	11	130
Total	19.04	27	142

#### Liver and Intrahepatic Bile Ducts

Male	5.12	7	137
Female	2.59	0	NC*
Total	7.71	7	91

#### Lung and Bronchus

Male	84.96	85	100
Female	66.09	89	135 ~+
Total	151.04	174	115

Female	12.89	18	140
Total	23.62	34	144

#### Prostate

Male	157.79	231	146 ^+
------	--------	-----	--------

#### Stomach

Male	12.26	11	90
Female	8.11	6	74
Total	20.37	17	83

#### Testis

Male	2.61	6	230
------	------	---	-----

#### Thyroid

Male	1.97	1	NC*
Female	5.40	6	111
Total	7.37	7	95

#### Uteri, Corpus and Uterus, NOS

Female	27.84	23	83
--------	-------	----	----

#### All Sites / Types

Male	518.65	633	122 ^+
Female	488.64	553	113 ~+
Total	1007.28	1186	118 ^+

**Exp** = expected case count, based on the Massachusetts average age-specific incidence rates for this cancer

**Obs** = observed case count

**SIR** = standardized incidence ratio [ **Obs** / **Exp** ) X 100 ]

\* = **SIR** and statistical significance not calculated when **Obs** < 5

+ indicates number of observed cases is statistically significantly higher than the expected number of cases

- indicates number of observed cases is statistically significantly lower than the expected number of cases

# indicates statistical significance at the  $p \leq 0.05$  level

~ indicates statistical significance at the  $p \leq 0.01$  level, as well as at the  $p \leq 0.05$  level

^ indicates statistical significance at the  $p \leq 0.001$  level, as well as at the  $p \leq 0.01$  and  $p \leq 0.05$  levels